

JOB TITLE: Sign and Marking Technician
EMPLOYEE:

DOT #: 869.361-018
CLAIM #



KING COUNTY ON SITE JOB ANALYSIS

JOB TITLE Sign and Marking Technician

JOB CLASSIFICATION Sign and Marking Technician

DOT TITLE Sign Erector-and Repairer (fabrication, nec)

DOT NUMBER 869.361-018

DEPARTMENT Transportation

DIVISION Road Services, Traffic Division

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 14

JOB STATUS

Full Time, Career Service.

ADDRESS OF WORKSITE

155 Monroe Ave NE
Renton, WA 98056-4199

CONTACT'S NAME Lindy Jenson and George Dudley

CONTACT'S PHONE 206-205 7121 , 206-296-0175

EMPLOYER JOB TITLE Supervisor III, Signs and Markings Supervisor II

DATE COMPLETED 5/7/02

VRC NAME Jeff Casem

DATE REVISED 5/13/09

WORK HOURS

6:00am to 2:30 Monday through Friday.

OVERTIME

Optional and occasional.
Fair Labor Standards Act, Non-Exempt (hourly).

JOB TITLE: Sign and Marking Technician
EMPLOYEE:

DOT #: 869.361-018
CLAIM #

JOB DESCRIPTION

Responsible for the installation and maintenance of traffic signs and pavement markings as well as the roadway striping application for roadways within all of unincorporated King County and inter-local agreements with other municipalities. The employee is responsible to respond to call outs and emergency situations at any time on a twenty-four hour basis. The employee can also perform striping and pavement marking as well as other services to cities as requested.

ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write & communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgement.
5. Ability to work independently or part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.

JOB SPECIFIC REQUIREMENTS

The employee must possess knowledge and skill in using and maintaining paint as well as preparing equipment and supplies. Must have knowledge of methods, materials, and equipment used in the installation and maintenance of signs. Thermoplastics, buttons (raised pavement markers) and striping. Must possess knowledge of the Manual on Uniform Traffic Control Devices (MUTCD). Must possess skill in reading maps and drawings, and safely operating vehicles and equipment. Must be able to lift 50 pounds and possess a valid Washington State Driver's License.

ESSENTIAL FUNCTIONS Listed in order of importance

1. Applies paint and/or thermoplastic for crosswalks, arrows, legends, channelization islands, stop bars, and lane lines.
2. Installs pavement markings such as traffic buttons, street signs and posts.
3. Operates and maintains paint machinery including compressors, paint pots, spray guns, greenlite striper, and centerline striping machines.
4. Maintains and logs daily activities and composes reports.
5. Keeps brush, trees and other objects clear of traffic signs.
6. Flags and routes traffic.
7. Operates jackhammer, air compressor and common hand tools during the erection, repair and removal of street signs and posts.
8. Operates County Vehicles.

JOB TITLE: Sign and Marking Technician
EMPLOYEE:

DOT #: 869.361-018
CLAIM #

NON-ESSENTIAL FUNCTIONS

Operating a poon-jar (gas powered jackhammer).

TOOLS, MACHINES, EQUIPMENT, PRODUCTS, AND SERVICES USED

County truck, compressors, hammer, drill, shovel, digging bar, fence post digger, air tools, hand saw, impact wrench, jackhammer, thermoplastic melting pre-applicator, roadway striping truck, bituminous (tar), reflective roadway strips and buttons, marker truck, pavement-marking removing grinder, weed eater, computer, spray paint, walking wheel, tape measure, and engineer's chalk.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rare = may occur less than 1% of the time

Never = does not ever occur (such demands are not listed)

This job is classified as

Medium

Standing

Continuously on flat pavement and uneven surfaces for up to 2.5 hours at a time for up to 7 hours total in a work shift. Most commonly occurs while performing traffic control duties (flagging) and installing signs.

Walking

Frequently on flat cement and uneven surfaces for distances of up to 200 feet for up to 2 hours at a time for up to 5 hours total in a work shift. Most commonly occurs while removing road markings and installing signs.

Sitting

Continuously on an office chair or automobile seat for up to 2 hours at a time for up to 6 hours total in a work shift. Most commonly occurs while performing night checks, driving, and striping.

Climbing

Occasionally on ladders and truck steps to heights of up to 7 feet for up to 5 seconds at a time and up to 15 minutes total in a work shift. Most commonly occurs while climbing a ladder to install a sign or climbing on or off of a county truck.

Balancing

Occasionally on a ladder at heights of 7 feet for up to 5 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while installing signs.

JOB TITLE: Sign and Marking Technician
EMPLOYEE:

DOT #: 869.361-018
CLAIM #

Bending/Stooping

Occasionally on flat cement and uneven surfaces for up to 2 minutes at a time for up to 4 hours total in a work shift. Most commonly occurs while measuring and performing pavement-marking removal duties.

Kneeling

Occasionally on flat cement and uneven surfaces for up to 5 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while laying out materials, measuring, and performing pavement-marking removal duties.

Crouching

Occasionally on flat cement and uneven surfaces for up to 5 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while laying out materials, measuring, and performing pavement-marking removal duties.

Operating Controls with Feet

Continuously for up to 2.5 hours at a time for up to 4 hours total in a work shift while driving County vehicles such as the striping truck.

Reaching above shoulder height

Occasionally for up to 2.5 minutes at a time for up to 15 minutes total in a work shift while installing signs and pruning bushes and trees which are blocking signs.

Reaching at waist to shoulder height

Frequently for up to 2.5 hours at a time for up to 4 hours total in a work shift while driving and installing signs.

Reaching at knee to waist height

Frequently for up to 2.5 hours at a time for up to 4 hours total in a work shift while measuring with the walking wheel, using the thermoplastic applicator, and spray painting.

Reaching at floor to knee height

Occasionally for up to 30 minutes at a time for up to 30 minutes total in a work shift while removing or placing signs on a pallet as well as laying out materials for marking traffic lines.

Lifting 1-10 pounds

Occasionally for up to 30 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs with weights of 3-5 pounds while using spray cans and hand tools.

Carrying 1-10- pounds

Occasionally for up to 200 feet for up to 30 minutes at a time and up to 1 hour total in a work shift. Most commonly occurs with weights of 3-5 pounds while transporting spray cans and hand tools.

Lifting 11-20 pounds

Occasionally for up to 30 seconds at a time for up to 1 hour total in a work shift. Most commonly occurs with weights of 15 pounds while using bituminous and power tools as well as tool boxes and boxes of marking materials.

Carrying 11-20 pounds

Occasionally for up to 30 feet for up to 30 seconds at a time and up to 1 hour total in a work shift. Most commonly occurs with weights of 15 pounds while transporting bituminous and power tools as well as tool boxes and boxes of marking materials.

Lifting 21-50 pounds

Occasionally for up to 5 seconds at a time for up to 5 minutes total in a work shift. Most commonly occurs with weights of 30-50 pounds while moving boxes of buttons, bags of thermoplastic, signs and toolboxes. Employee may need to perform a 2-person lift when moving a 90-pound poon-jar, 45-pound lift per person.

Carrying 21-50 pounds

Occasionally for up to 1 minute at a time for up to 2 minutes total in a work shift. Most commonly occurs with weights of 30-50 pounds while moving boxes of buttons, bags of thermoplastic, signs and toolboxes. Employee may need to perform a 2-person carry for up to 50 feet when moving a 90-pound poon-jar, 45-pound lift per person.

Pushing and Pulling

Continuously for distances of up to 200 feet for up to 10 minutes at a time with a force of 30 pounds and up to 6 hours total in a work shift. Most commonly occurs while pushing the thermoplastic applicator (on wheels). When pushing the thermoplastic applicator uphill assistance is available.

Handling

Continuously for up to 2.5 hours at a time for up to 6 hours total in a work shift while driving as well as when using hand tools, shovels, thermoplastic applicator, and a post hole digger.

Operating Controls with Hands

Continuously for up to 2.5 hours at a time for up to 6 hours total in a work shift while driving the striping truck which includes using several hand controls that control the striping.

Fingering

Continuously for up to 2.5 hours at a time for up to 6 hours total in a work shift while using the control panel on the striping truck, using the truck computer terminal for data entry, and using the computer mouse.

Talking

Occasionally for up to 5 minutes at a time for up to 2 hours total in a work shift while responding to citizen inquiries as well as conversing with co-workers and superiors.

Hearing

Continuously for up to 2.5 hours at a time for up to 6 hours total in a work shift while listening for equipment malfunction when using the striping truck and when listening for hazards when driving.

Near acuity—clarity of vision at 20 inches or less

Continuously for up to 2.5 hours at a time for up to 6 hours total in a work shift while using a computer and performing paperwork duties as well as watching the monitor and controls on the striping truck.

Far acuity—clarity of vision at 20 feet or more

Continuously for up to 2.5 hours at a time for up to 4 hours total in a work shift while driving County vehicles such as the striping truck.

Depth perception—three dimensional vision

Continuously for up to 2.5 hours at a time for up to 4 hours total in a work shift while driving County vehicles such as the striping truck.

Color vision—ability to identify and distinguish colors

Continuously for 2.5 hours at a time for up to 6 hours total in a work shift while identifying paint color and performing graphics duties as well as painting and removing colored lane lines.

Field of vision—observing an area that can be seen up and down or right or left while eyes are fixed on a given point

Continuously for up to 2.5 hours at a time for up to 4 hours total in a work shift while driving County vehicles such as the striping truck.

Night vision--seeing after sundown with minimal or no supplemental light sources

Continuously for up to 2.5 hours at a time for up to 4 hours total in a work shift while driving a County vehicle to perform retro reflectivity checks for road lines and buttons.

JOB TITLE: Sign and Marking Technician
EMPLOYEE:

DOT #: 869.361-018
CLAIM #

TEMPERAMENTS

Performing repetitive or short-cycle work: Frequently
Influencing people in their opinions, attitudes, and judgements: Occasionally
Performing a variety of duties: Frequently
Expressing personal feelings: Occasionally
Working alone or apart in physical isolation from others: Frequently
Working effectively under stress: Continuously
Attaining precise set limits, tolerances, and standards: Continuously
Working under specific instructions: Continuously
Working with others: Frequently
Making judgements and decisions: Continuously

ENVIRONMENTAL FACTORS

Work is performed in an outdoor setting with exposure to moving automobiles, paint fumes, and road dust. The noise level is loud.

Workers are exposed to

Outside weather: Continuously
Extreme cold: Rare
Extreme heat: Occasionally
Fumes: Frequently
Odors: Frequently
Dusts: Frequently
Mists: Rare
Gases: Rare
Poor ventilation: Rare
Moving mechanical parts: Frequently
Vibration: Frequently
Working in high, exposed places: Rare
Toxic or caustic chemicals: Occasionally

POTENTIAL MODIFICATIONS TO JOB: None

Signature & title of evaluator

Date

Signature & title of contact

Date

Signature & title of employee

Date

JOB TITLE: Sign and Marking Technician
EMPLOYEE:

DOT #: 869.361-018
CLAIM #

HEALTH CARE PROVIDER SECTION

Check all that apply

☐ The employee is released to perform the described duties without restrictions on performance or work hours.

☐ The employee is released to perform the described duties on a reduced schedule. The recommended schedule is:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is released to perform the described job with the following modifications:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is not released to perform the described duties due to the following job functions:

☐ Temporary until _____ ☐ Permanent effective _____

☐ The employee is unable to work in any capacity.
A release to work is: ☐ anticipated by _____ ☐ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date